

Resource Summary Report

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mousebrain.org

RRID:SCR_016999

Type: Tool

Proper Citation

mousebrain.org (RRID:SCR_016999)

Resource Information

URL: <http://mousebrain.org/>

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Description: Atlas of brain cell types, derived from single cell RNA-Seq data from Linnarsson Lab. Can be browsed by taxon, cell type, tissue, and gene, with information on enriched genes, specific markers, anatomical location and more. Single cell gene expression atlas of mouse nervous system.

Synonyms: Linnarsson lab Mouse Brain Atlas

Resource Type: data or information resource, atlas

Defining Citation: [PMID:30096314](#)

Keywords: Atlas, brain cell, cell type, single cell RNA seq data, taxon, tissue, gene, marker, anatomical location, data

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Availability: Free, Available for download, Freely available

Resource Name: mousebrain.org

Resource ID: SCR_016999

Alternate IDs: SCR_018356

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260804T043629+0000

Ratings and Alerts

No rating or validation information has been found for mousebrain.org.

No alerts have been found for mousebrain.org.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 111 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yan G, et al. (2025) Categorization of 34 computational methods to detect spatially variable genes from spatially resolved transcriptomics data. Nature communications, 16(1), 1141.

Zhou J, et al. (2025) Dual lineage origins contribute to neocortical astrocyte diversity. Nature communications, 16(1), 6992.

Senf K, et al. (2025) Unraveling the Role of Ensheathing Cells and Perineural Fibroblasts in Olfactory Neurogenesis. Glia, 73(12), 2407.

Shahapal A, et al. (2025) Partial FAM19A5 deficiency in mice leads to disrupted spine maturation, hyperactivity, and an altered fear response. PloS one, 20(8), e0327493.

Perzel Mandell KA, et al. (2025) Meta-analysis of the brain transcriptomes of multiple genetic mouse models of schizophrenia highlights dysregulation in striatum and thalamus. Translational psychiatry, 15(1), 345.

Xu L, et al. (2025) Neuron-specific homologous coding genes and non-coding regulatory regions are the most conserved amongst amniotes despite neuron-specific cell size diversity. Scientific reports, 15(1), 43971.

Kirikae H, et al. (2025) Gene Expression Profiling in the Cortex of Fabp4 Knockout Mice. Neuropsychopharmacology reports, 45(1), e70006.

Habib AM, et al. (2025) MDFIC2 is a PIEZO channel modulator that can alleviate mechanical allodynia associated with neuropathic pain. *Proceedings of the National Academy of Sciences of the United States of America*, 122(45), e2512426122.

Cummins MJ, et al. (2025) Aging disrupts blood-brain and blood-spinal cord barrier homeostasis, but does not increase paracellular permeability. *GeroScience*, 47(1), 263.

Bocchi R, et al. (2025) Astrocyte heterogeneity reveals region-specific astrogenesis in the white matter. *Nature neuroscience*, 28(3), 457.

Ferns M, et al. (2024) Electrically silent KvS subunits associate with native Kv2 channels in brain and impact diverse properties of channel function. *bioRxiv : the preprint server for biology*.

Li K, et al. (2024) K⁺ channel-mediated retarded maturation of interneurons and its role in neurodevelopmental disorders. *Neural regeneration research*, 19(7), 1403.

Mathys H, et al. (2024) Single-cell multiregion dissection of Alzheimer's disease. *Nature*, 632(8026), 858.

Yan G, et al. (2024) Categorization of 33 computational methods to detect spatially variable genes from spatially resolved transcriptomics data. *ArXiv*.

Vicari M, et al. (2024) Spatial multimodal analysis of transcriptomes and metabolomes in tissues. *Nature biotechnology*, 42(7), 1046.

Theparambil SM, et al. (2024) Adenosine signalling to astrocytes coordinates brain metabolism and function. *Nature*, 632(8023), 139.

Virtanen HT, et al. (2024) Interindividual Variation in Gut Nitrergic Neuron Density Is Regulated By GDNF Levels and ETV1. *Cellular and molecular gastroenterology and hepatology*, 18(6), 101405.

Assali A, et al. (2024) EphB1 controls long-range cortical axon guidance through a cell non-autonomous role in GABAergic cells. *Development (Cambridge, England)*, 151(5).

Schevenels G, et al. (2024) A brain-specific angiogenic mechanism enabled by tip cell specialization. *Nature*, 628(8009), 863.

Yin W, et al. (2024) SpatialcoGCN: deconvolution and spatial information-aware simulation of spatial transcriptomics data via deep graph co-embedding. *Briefings in bioinformatics*, 25(3).